What is claimed is:

1. A floor working machine comprising;

a self-propelled vehicle body including a working implement for treating a floor surface;

U-turn control means for causing said self-propelled vehicle body to make a U-turn automatically to adjust said working implement to a work line adjacent a work line treated before said U-turn;

spin turn control means for causing said self-propelled vehicle body to make a spin turn automatically to adjust said working implement to a work line adjacent a work line treated before said spin turn; and

running control means for automatically controlling said U-turn control means and said spin turn control means in response to input signals for causing said self-propelled vehicle body to make selectively a U-turn under control of said U-turn control means and a spin turn under control of said spin turn control means.

- 2. A floor working machine as defined in claim 1, wherein said running control means includes a semi-automatic control unit, said semi-automatic control unit being operable, in response to a U-turn command from a control unit, to control said U-turn control means for causing said self-propelled vehicle body to make a U-turn, and in response to a spin turn command from said control unit, to control said spin turn control means for causing said self-propelled vehicle body to make a spin turn.
- 3. A floor working machine as defined in claim 1, wherein said running control means includes a full automatic control unit, said full automatic control unit being operable to control said U-turn control means and said spin turn control means automatically based on a set running program, for causing said self-

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propelled vehicle body to make U-turns at ends of a working range, and when said running program so requires, for causing said self-propelled vehicle body to make spin turns at predetermined turning positions and run in opposite directions.

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4. A floor working machine as defined in claim 3, wherein said full automatic control unit is operable to control said spin turn control means for causing said self-propelled vehicle body to make a spin turn in a direction in which a U-turn is made immediately before said spin turn.

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5. A floor working machine as defined in claim 1, wherein said self-propelled vehicle body has one dirigible front drive wheel and a pair of right and left non-dirigible, free rotation rear wheels, said spin turn control meansbeing operable to cause said self-propelled vehicle body to make a spin turn about a middle position between said right and left rear wheels by steering sideways and driving said front wheel.

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6. A floor working machine as defined in claim 5, wherein said running control means includes a semi-automatic control unit, said semi-automatic control unit being operable, in response to a U-turn command from a control unit, to control said U-turn control means for causing said self-propelled vehicle body to make a U-turn, and in response to a spin turn command from said control unit, to control said spin turn control means for causing said self-propelled vehicle body to make a spin turn.

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7. A floor working machine as defined in claim 6, wherein said running control means further includes a full automatic control unit, said full automatic control unit being operable to control said U-turn control means and said spin turn control means automatically based on a set running program, for causing said

self-propelled vehicle body to make U-turns at ends of a working range, and when said running program so requires, for causing said self-propelled vehicle body to make spin turns at predetermined turning positions and run in opposite directions.

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8. A floor working machine as defined in claim 7, wherein said full automatic control unit is operable to control said spin turn control means for causing said self-propelled vehicle body to make a spin turn in a direction in which a U-turn is made immediately before said spin turn.

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9. A floor working machine as defined in claim 7, wherein said running control means having said U-turn control means, spin turn control means, semi-automatic control unit and full automatic control unit is provided in control means comprising a microcomputer.

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10. A floor working machine as defined in claim 9, wherein said control means is operatively connected to a semi-automatic switch and a full automatic switch of an operating mode selecting mechanism for selecting a semi-automatic operation or a fully automatic operation, a high-speed switch and a low-speed switch of a speed switching mechanism for selecting high speed or low speed, a receiver for receiving signals from said control unit, a running distance sensor, a steering angle sensor, an applicator position sensor, a distance setting mechanism, a number of lines setting mechanism, a number of application times setting mechanism, a left turn switch and a right turn switch of a turn setting mechanism for selecting a left turn or a right turn, an origin return switch and a wax quantity sensor.

11. A floor working machine comprising:

a self-propelled vehicle body including running wheels, wheel drive means,

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a working implement for treating a floor surface, and means for driving said working implement;

control means for controlling said self-propelled vehicle body and including:

spin turn control means for causing said self-propelled vehicle body to make a spin turn automatically to adjust said working implement to a work line adjacent a work line treated before said spin turn; and

running control means for automatically controlling said spin turn control means in response to an input signal for causing said self-propelled vehicle body to make a spin turn under control of said spin turn control means.